

Minority Students, Aided by the Efforts Two UMass Lowell Groups, Play an Ever Larger Role in Campus Life

Two campus organizations, until this year separate and distinct in their functions, now have a common office, a shared staff and overlapping missions—all of which bodes well for the diversity of the UMass Lowell community.

The Center for Diversity and Pluralism, and ALANA, the campus group devoted to the needs of ethnic students, now share a common office on the first floor of McGauvran Hall. The center's policy committee, the Council on Diversity and Pluralism, which was headed until this year by Lan Pho, now has co-directors: Dean of Student Life Larry Siegel and Psychology Professor Anne Mulvey—while the ALANA director, Stephan Coggs, is, with Mulvey, a co-director of the Center.

"It sounds more complicated than it is," says Siegel. "The big point here is that there's a huge overlap in the missions [of the two groups]. They're both about the University's sensitivity to the needs of the ethnic community. There's a fairly seamless line



▲ Anne Mulvey



▲ Larry Siegel



▲ Stephan Coggs

between them. It seems only natural that they would share an office and some staff."

Until recently, explains Siegel, there were two principal distinctions between the groups: ALANA was largely a student organization, while the Center functioned mostly for the faculty; and, while ALANA was devoted almost exclusively to ethnic issues, the Center involved itself in diversity of all sorts.

The first of these distinctions, says Siegel, no longer applies: "What

we're trying to do now is to widen the focus of the Center to embrace students as well as faculty, to include them in the dialogue, and in some of the events we stage."

A Feb. 4 "Dinner Conversation" with student leaders, whose theme will be "Making Connections" at UMass Lowell, is one example, Siegel says, of an event that has been expanded to include students—"Dinner Conversations," until this

Continued on Page 5

Rockefeller Funds Community Youth Arts Program Partner

Community and campus leaders are celebrating the receipt of a prestigious national grant for an award-winning after-school and summer youth program operated by Lowell's Angkor Dance Troupe (ADT). The Rockefeller Foundation has awarded \$130,350 to ADT for in-depth training in traditional Cambodian dance and well as related training in personal and career development for at-risk youth. In the past five years, faculty, staff and students from the University's nursing and community psychology programs and Gear Up initiative of the Center for Family, Work and Community have played key roles in the development of ADT as one of the country's premier youth arts organizations.

"Our work with Cambodian American youth in Lowell is testimony of the power of the arts to transform young lives," says Angkor President Vichenny Keo-Sam. "Our youth straddle two very different cultures on a daily basis. Immersing them in the rich cultural heritage from which they come helps them sort through some of the complicated identity issues they face."

The grant, to be dispersed over three years, was awarded by the Rockefeller Foundation Creativity and Culture "PACT" program (Partnerships Affirming Community Transformation). The Troupe operates its after-school and summer youth program in conjunction with the University and the ADAM project (Awareness and Development of Adolescent Males) of Big Brother Big Sister of Greater Lowell. Gear Up staff will work with ADT on a college readiness component to provide one-on-one academic counseling, college and career awareness workshops.

"The Angkor Dance Troupe has made an extraordinary contribution

Continued on Page 3

University Police Investigate a Suicide Threat and a Hit-and-Run

The first story began one night this past fall when a young woman's father telephoned University police.

Obviously distraught, he told Dispatcher Tricia Everly that his daughter had escaped from a state hospital and taken a cab to the campus. Once there, he said, she intended to jump off a bridge.

The second story began late one other night when a pickup truck collided with a University escort van and then sped away.

In the case of the young woman who had threatened suicide, Officer Everly dispatched Officers David Couture, Thomas O'Donnell and Kristen Lamond to check all area

bridges. Everly then contacted the cab company, but the driver who had transported the woman couldn't be reached.

Meanwhile, Couture, checking the University Avenue bridge with the other two officers, heard what sounded like someone shouting from below. Shining his flashlight onto the river's surface, he saw a woman in the water.

Unable to gain access to that part of the riverbank, the officers called the Lowell Fire Department and kept up a dialogue with the woman, who told the officers that she had jumped from the bridge minutes earlier. Although apparently not seriously hurt, she was at risk of suffering



▲ Officer Kristen Lamond and Sgt. Chester Dupont worked together to identify the driver in a hit-and-run accident that caused substantial damage to one of the University's escort vans.

hypothermia in the cold river water.

Firefighters arrived within minutes and pulled the woman from the river. She was taken by ambulance to an area hospital.

Continued on Page 3

INSIDE THIS ISSUE

- 3 Tripathy Symposium Explores Materials Research
- 4 Many Callers Think H-E-L-P Spells ANYTHING YOU NEED
- 6 Environmental Management System Addresses Health and Safety Issues in Olney

- 7 Prof. Ogasapian Has a Recital Rule: Just Fun. No Teaching.
- 8 Prof. Wegman Cites Need for Workplace Adjustments
- 9 New Security Analyst to Take On Spread of Computer Hacking

Take Note

Basketball Alumni to Square Off January 25th

Whether you were a River Hawk or a Chief, if the court was your calling, then The Old Court is calling you. All basketball alumni are invited to a reception at The Old Court in downtown Lowell following the River Hawks games on Saturday, Jan. 25. At 2 p.m. in Costello Gym, fans will gather to cheer on 300-win Coach Kathy O'Neil's team; to jeer or cheer alumni in a reunion game at around 3:45 p.m.; and to see why Coach Ken Barer's men's team is ranked third in the country at 5 p.m. Thereafter, basketball alumni, their family and special guests are entitled to free appetizers at The Old Court. Those interested in attending should contact Barer at (978) 934-2340 or Ken_Barer@uml.edu.

Diversity and Pluralism Makes Connections on Campus

How welcome or "at home" do people feel on the UMass Lowell campus? The Council on Diversity and Pluralism (CDP) will host iMaking Connections: Conversation and Supper for the entire University community to discuss various answers to this question. Leaders from a diverse collection of campus groups have been invited to share ideas for ways to bring students, faculty and staff more closely together.

The event will take place on Tuesday, Feb. 4 from 4 to 6 p.m. in the Fox

Hall Multi-Purpose Room. For more information, contact the CDP, ext. 4342 or e-mail Anne Mulvey, CDP director, Anne_Mulvey@uml.edu.

Lowell Celebrates Recent National Preservation Award

The National Trust for Historic Preservation recognized the Lowell community with a prestigious National Honor Award in late 2002. In celebration of this honor, the Lowell Heritage Partnership (LHP) is hosting a reception on Tuesday, January 28, 4:30 to 6:30 p.m., to pay tribute to the five partners who shared in the National Trust honor: the City of Lowell, Commonwealth of Massachusetts/Department of Environmental Management, Lowell Historic Board, Lowell National Historical Park, and Lowell Plan/Lowell Development & Financial Corporation. The award recognizes 25 years of work that has made Lowell a national model for urban redevelopment.

The LHP is a coalition, including UMass Lowell, Lowell National Historical Park, Middlesex Community College, Lowell Parks and Conservation Trust, Coalition for a Better Acre, and others, formed to preserve and enhance Lowell's natural, built, and cultural heritage. Tickets for the event are \$25 and support the advocacy, educational, and assistance programs of the LHP. For more information, contact Paul Marion, director of community relations, ext. 3107.

Art Department Shares in NEA Grant for Lowell's Revolving Museum

"This is just the beginning of what I expect to be a model partnership between UMass Lowell and the Revolving Museum," said Prof. Jim Coates of the Art Department in response to news that the National Endowment for the Arts had awarded a \$26,000 grant to the museum for an innovative public art program in downtown Lowell. The contemporary arts museum moved from Boston to its Shattuck Street home in Lowell last spring, helping to energize the city's arts district.

Jerry Beck, the museum's director and an adjunct professor of art on campus, explained that the program, "On Track and Off the Beaten Path," will include

interactive artworks, exhibitions, and events that make use of inactive railroad tracks and alleyways in Lowell's historic district. Beginning with workshops that will run from February through July, the project will culminate with the creation of three major public artworks and an exhibition, scheduled to open during the Lowell Folk Festival.

Along with UMass Lowell, the project team includes Lowell National Historical Park, the City's Division of Planning and Development, and the Cultural Organization of Lowell, the city's cultural services office. For more information about the project, contact Beck at (978) YES-ARTS or Coates at ext. 3490.



Supernovas, Crab Nebulas Spark Intense Interest

▲ In the middle of a crab nebula, a neutron star is spinning rapidly. The neutron star has more mass than our sun, yet measures only 10 miles across—about the size of Boston. Neutron stars, supernovas, black holes—all have been made visible by the Chandra X-Ray Observatory and all are generating long lists of questions for physicists. Dr. Harvey Tananbaum, second from left, is the co-creator of Chandra and director of the Chandra X-Ray Center of the Harvard-Smithsonian Center for Astrophysics. His presentation fascinated a large group of students, faculty and alumni of the Biological Sciences Department. With Tananbaum are Carole Ward, left, a member of the College of Arts and Sciences Advisory Board, which supports the seminar series; biology Prof. Susan Braunhut; and Robert Tamarin, dean, Division of Sciences, College of Arts and Sciences.

Symposium to Explore Democracy and Higher Education

A one-day, system-wide symposium, "Literature, Communication and Democracy," to explore the theory and performance of democracy in higher education, will take place on the UMass Lowell campus on Wednesday, April 2. The keynote address, "The Humanities in the Information Age," will be given by Prof. Patrick Brantlinger of Indiana University.

The symposium organizers, Todd Avery of the UMass Lowell English Department and Stephen Olbrys, a communications professor at UMass Amherst, in order "to help foster an open, system-wide inter-campus

discussion," requested and received paper proposals, from both faculty and students, on a wide cross-section of subjects. These range from issues of ethics and media literacy to anarchy, sexuality and political dissent.

To promote and encourage an active dialogue, the symposium will feature a roundtable format; each roundtable will include both faculty and students.

Anyone interested in moderating a discussion should contact Prof. Avery at ext. 4184.



Bay State Historical League Highlights Tsongas Center's Immigration Education

▲ From left, Rick Smith, Lowell National Historical Park ranger; Sheli Turocy, Tsongas Industrial History Center project assistant; Sheila Kirschbaum, Tsongas Center school liaison; and Elizabeth Hoermann, education specialist for the Northeast Center for Educational Services, informed organizations such as the Thoreau Institute about the Center's immigration education programs. The panel spoke as part of a day-long seminar offered by the Tsongas Center for the Bay State Historical League's series "Immigrants in Massachusetts: Exploring, Documenting and Teaching Immigration."

Continued from Page 1

University Police Investigate a Suicide Threat and a Hit-and-Run

The hit-and-run incident occurred near the North Campus at 11:15 on a Friday night. Four students were in the van when a white Ford pickup truck entered the wrong lane, hit the van, then swerved onto a lawn and through a parking lot before returning to the road and speeding away.

While no one in the van was

injured, the van itself was heavily damaged.

Officers Lamond and O'Donnell responded. Lamond found pieces of plastic from the damaged truck and bagged them for evidence. The next night, she learned that a man had reported to Lowell Police that his white Ford pickup had been stolen Friday night, shortly before the accident.

Suspecting that the report was a cover-up for the hit-and-run, Lamond discussed the case with Sgt. Chester DuPont. The owner was brought to the UMass Lowell police station three days later and, after questioning by DuPont, admitted filing the false report and driving the truck when it hit the van.

The two incidents are related only in that they demonstrate the kinds of serious situations the University Police routinely respond to and the professional manner in which they carry out their responsibilities. It also shows the teamwork that exists between the University and Lowell public safety departments.

—JMcD



▲ Officers Thomas O'Donnell, standing left, and David Couture, along with Dispatcher Tricia Everly, seated left, and Officer Kristen Lamond teamed up to help rescue a woman who was found in the water beneath the University Avenue bridge.

Continued from Page 1

Rockefeller Funds Community Youth Arts Program Partner

to both the enrichment of young lives in Lowell and the preservation of a precious cultural tradition in the form of Cambodian dance," says Paul Marion, director of community relations at UML. "The University is a proud partner in the ongoing work of the troupe, which is now helping to drive cultural development in the region through its expanding programs. The news of a major grant from the Rockefeller Foundation underscores the troupe's national reputation and adds to Lowell's

growing reputation for excellence in the arts and humanities."

"Those of us who work closely with at-risk youth are keenly aware that to address issues like violence and drug use by young people we need to get at the root causes," says Jim Conlon, director of the Big Brother Big Sister ADAM project. "This is a thoughtful, well-planned, comprehensive program."

—PM



Photographs: © Andrew Page

Tripathy Symposium Explores Materials Research

Things are not what they seem. Get down to levels of the very small or very thin, or add sensitizing dyes, and materials get very interesting—molecules that are left-handed or right-handed, polymers that are "glassy," or polymers that conduct like metals.

Researchers at the Sukant Tripathy Annual Memorial Symposium presented the latest of their research findings. They are excited about the implications and applications of what they are seeing in their labs.

For example, Anthony Guiseppi-Elie is investigating electroconductive hydrogels that have been used in biosensors that show enhanced performance in detecting glucose, cholesterol and galactose. These biosensors are being developed for subcutaneous monitoring of glucose and lactate.

Guiseppi-Elie is professor of chemical engineering and of emergency medicine at Virginia Commonwealth University, and founder, president and scientific director of AAI-ABTECH.

Michael Rubner is developing multi-player thin film systems that display new properties and are being explored for use in reversibly erasable anti-reflection coatings, novel drug delivery systems and cell resistant coatings. Rubner is professor of materials science and engineering at MIT and directs its National Science Foundation Materials

Research Science and Engineering Center.

These were just two of the distinguished researchers making presentations at the annual symposium dedicated to the memory of Sukant Tripathy, a leading researcher, inspirational teacher, and mentor to students and colleagues alike.

Papers presented at the 2001 symposium have been published as a special issue of the *Journal of Macromolecular Science: Pure and Applied Chemistry*, as will the papers from the 2002 symposium.

UMass Lowell research groups made poster presentations at the symposium.



▲ Dr. Lynne Samuelson, right, scientist with UMass Lowell's Center for Advanced Materials and with the Materials Science Team at the Natick Soldier Center, talks before the Tripathy Symposium with, from left, Merrill Cohen and Edward A. Boulter, consultants, and Russell Gaudiana, vice president of research and development for Konarka Technologies.



▲ UMass Lowell hosts and presenters at the Tripathy Symposium included, from left, Jayant Kumar, UMass Lowell; Russell Gaudiana, Konarka Technologies; Anthony Guiseppi-Elie, Virginia Commonwealth University; Warren Herman, University of Maryland; Michael Rubner, Massachusetts Institute of Technology; Vaman Naik, University of Michigan; Ashok Cholli, UMass Lowell; Mrinal Thakur, Auburn University, Alabama; Mark Green, Polytechnic University, Brooklyn; and James Whitten, UMass Lowell.

Many Callers Think H-E-L-P Spells ANYTHING YOU NEED

There are spiders all over my room. I've killed about a dozen of them. You've got to get an exterminator in here or I'll be eating spiders with my cereal."

That was the gist of a phone message that a student left on the University's 934-HELP desk voice mail recently. It was one of the more unusual calls fielded by the Help staff but it certainly wasn't atypical.

Located on the first floor of Olsen Hall, the desk helps solve faculty, staff and student problems related to University computers, network connectivity and telephones.

But, according to the unit's manager, Marc Place, callers attach a very liberal interpretation to "HELP."

For example, complaints or questions have included:

- There's a hole in my wall.
- There's no hot water
- Is professor (so-and-so) in today?
- I don't feel good.
- The lights don't work
- Can I get a bus to the University?
- The toilet is backing up.
- My ear hurts.

In cases related to building problems (lights, water, etc.), the Help desk staff refers the problem to Physical Plant. Others are put in touch with the appropriate University service.

Some calls even come from off-campus, including the occasional one intended for Saints Memorial Medical Center. (The hospital's exchange is the same—934—but the last four digits are nowhere near that of the HELP desk (4357). Go figure.)

If you walk in the front entrance of Olsen and turn right, you'll see the Help desk behind a window at the end of the hallway. In addition to Place, the office is staffed by one other full-time employee and two part-time students. It is open from 8:30 a.m. to 7:30 p.m., Monday through Friday. At other times, callers may leave voice mail messages that are returned when the office opens.

The desk is at its busiest at the beginning of each semester, when new people are arriving on campus and others are changing rooms or offices. Once things settle down, the desk receives an estimated average of 80 to 100 "tier one" calls a month. Tier one calls are defined as problems that the desk can solve while the caller is on the line.

"Tier two" calls are those in which the staffer must generate a work order that usually requires someone, such as a physical plant employee, to visit to the caller's room or office. The desk handles an average of 300 tier two calls a month.

—JMcD

2003 V-Day Gets Under Way

The UMass Lowell V-Day Collaborative marks its second annual College Campaign with a new staging of Eve Ensler's Obie Award-winning *The Vagina Monologues*. The play generated over \$7,000 in aid to emergency women's services when it was produced on campus last spring.

Performances will run from Feb. 27 through March 1 at 7 p.m. at Mahoney Auditorium. Proceeds will benefit Alternative House Women's Services and Rape Crisis Services of Greater Lowell.

Everyone is invited to audition for the production as well. Auditions will be held Tuesday, Jan. 28 from 1 to 3 p.m., Wednesday, Jan. 29 from 7 to 9 p.m. and Friday, Jan. 31 from 1 to 3 p.m. in McGauvran 410. No prior acting experience is necessary.

The V-Day initiative uses theatre and art to aid in the prevention of violence against women and

girls, as well as to educate the public. The College Campaign 2003 is sponsored on campus by the Center for Diversity and Pluralism, the Psychology Dept., Student Activities and SPECTRUM.

For information about *The Vagina Monologues* and other V-Day activities, contact Prof. Anne Mulvey, ext 3965, or Anne_Mulvey@uml.edu.



▲ Profs. Charlotte Mandell, left, and Anne Mulvey, psychology, performed in last year's V-Day Project's production of *The Vagina Monologues*. The play will be produced again to kick off the 2003 V-Day Campus Campaign.

Teachers Learn by Doing in Engineering Course

Say you're a math or science teacher in a middle school. Your students are taking the MCAS and have to answer questions about engineering design. How are you supposed to know what to teach them?

Students in greater Lowell middle schools will know more about engineering—and will have fun learning it—when their teachers complete the 15-week Introduction to Engineering course at UMass Lowell.

Douglas Prime, director of K-12 educational outreach for the Francis College of Engineering, teaches the course, which is funded by the UMass/Raytheon K-16 Education Collaborative grant.

The teachers are learning by doing—building electrical circuits and electromagnets before designing and constructing their own secret candy dispensers. Along the way, they try out projects with their own classes, using materials and guidelines provided for them, and with the opportunity to talk over what did and did not work.

"Teaching is a learning experience," says Prime. "You can't anticipate everything the students will do."



▲ John King and Kirsten Perras, both from the Rogers School in Lowell, each teach 120-150 students daily. Developing hands-on activities is an important part of teaching science and engineering, they say, and the UMass Lowell course is an inspiration.



▲ Help Desk Manager Marc Place says his office handles about 400 calls for assistance during an average month.



▲ Dan Michaud, a junior majoring in management information systems, is one of two students who handle calls on the Help desk in Olsen Hall.

The Shuttle is published by the Publications Office, UMass Lowell, One University Avenue, Lowell, MA 01854. Tel. 934-3223.

Vice Chancellor for University Relations and Development: Dr. Frederick P. Sperounis

Executive Director of Communications and Marketing: Christine Dunlap

Editor: Mary Lou Hubbell

Staff Writers: Geoffrey Douglas, Paul Marion, Jack McDonough

Other Writers: Renae Lias Claffey, Elizabeth James, Elaine Keough, Ken Lyons, Patti McCafferty, Sandra Seitz, Rick Sherburne

The University of Massachusetts Lowell is an Equal Opportunity/Affirmative Action, Title IX, H/V, ADA 1990 Employer.

Continued from Page 1

Minority Students, Aided by the Efforts Two UMass Lowell Groups, Play an Ever Larger Role in Campus Life

year, were faculty-only affairs. A second change will be an expanded initiative toward international students ("We're trying to pay more attention to some really basic stuff, like who'll meet them at the airport, and where they'll go for Thanksgiving break"), while a third will be a heightened effort to recruit top-level minorities.

A key player in all this is Council co-chair Anne Mulvey, who has been involved with both faculty and students in an effort—as she puts it—"to create a broader definition of just what sorts of programs we want to get involved with, beyond the traditional ones, as important as they are, that tend to focus largely on [ethnic-cultural] foods and costumes."

One example she gives is the "Making Connections" dinner; another is the recent on-campus performance of the play, "The Laramie Project," which, through its depiction of the Wyoming murder of gay college student Matthew Shephard, served as a powerful indictment of homophobia, hate crimes and discrimination in general.

Both of these events, notes Mulvey, involved the collective

participation of students, faculty and staff—and as such, were expressions of diversity in themselves.

ALANA, now in its second year under Stephan Coggs' direction, will maintain its focus on ethnic-cultural events—such as Black History Month in February, and the upcoming "Step Afrika!", a Feb 24 performance by a Washington-based dance ensemble—while at the same time expanding its efforts to involve minority students in day-to-day campus life.

"That's the big challenge," says Coggs, who serves as an advisor to both individual minority students and to UMass Lowell ethnic groups. "We need to give these students the sense that they belong here, that they have a voice in the life of the University; they need to get more involved in the mainstream student organizations—student government and residence life—to feel more empowered to take part in activities, to play a role in how things work..."

"I think, in general, it's starting to work. I'm seeing more involvement lately, more of a sense of empowerment. The key now will be to get the students to take the initiative. As it is, it's generally me who initiates an idea

or program; then they'll go along and finally get involved. The next step is for the students and student-groups to come up with the ideas, to participate from the start. I think we're moving in that direction, though."

Coggs, an African-American who, in his student days, was among a one-percent minority of ethnic students at Kansas State University, recalls the mentorship of a KSU sophomore who, he says, probably played as large a role as anyone in the reasons he has chosen the path he has:

"I was a freshman at the time, feeling pretty lost in the crowd. And along comes this guy, this sophomore—he took me under his wing, introduced me to people, showed me what I had to do to fit in. He didn't have to do that, but he did..."

"And the last thing he taught me was—you gotta reach back. If someone does you a service, when it's your turn you've got to find a way to do the same. So I figure it's my turn now."

—GD

Pinanski Serves as Pilot for Green Cleaners

The Pinanski Building, one of the oldest buildings on campus, is now a little cleaner and a little safer after completing a pilot program to introduce greener cleaning products.

In partnership with the Toxics Use Reduction Institute's Surface Solutions Laboratory and Rochester Midland, which provided their EnviroCare line of products and equipment for the pilot, Building Foreman Jerry Ryan began substituting the less toxic products over the summer on the linoleum tile floors, three men's rooms and two ladies' rooms.

At the completion of the pilot, Ryan saw no decrease in cleaning performance with the safer Rochester Midland cleaners. The company is recognized under the state's Environmentally Preferable Products (EPP) procurement program for agencies and vendors doing business in the Commonwealth.

The EnviroCare cleaners are still being used in Pinanski with the hope of extending the trials to other buildings on both campuses.

Get Connected With 'UML Today'

Make intranet.uml.edu your home page and gain easy access to everything UMass Lowell.

The screenshot shows the UML Today intranet homepage. Red arrows point to various features with descriptive text:

- View an archive of email and administrative announcements:** Points to the "UML Today" header area.
- Get the latest weather report:** Points to the weather widget showing "32° F" and "Wind: E/MPH".
- Access your e-mail online:** Points to the "Click Here for UML Today Students" link.
- See a listing of campus events:** Points to the "Calendar of Events" section.
- Stay up-to-date on the River Hawks:** Points to the "Sports Scores" section.
- Check out the latest news articles about UMass Lowell:** Points to the "UML in the News" section.

Bond Elected to National Council



▲ Prof. Meg Bond, psychology, has been elected to a three-year term as a member-at-large to the National Executive Council of the Society for the Psychological Study of Social Issues. She will be attending her first meeting at the Society's National Multi-Cultural Conference and Summit this January in Hollywood, California.

Environmental Management System Addresses Health and Safety Issues in Olney

From handicapped access to emergency procedures, from laboratory cleanliness to air conditioning, every aspect of how the Olney Science Center is used was assessed as part of the environmental management system (EMS) being put into place. An EMS provides tools to help manage an organization's environmental impacts efficiently and effectively and to improve environmental stewardship across the entire organization.

Olney Building is the pilot project for achieving ISO 14001, an international EMS standard that requires constant improvement to health and safety guidelines, and makes UMass Lowell one of the first universities in the country to attain this standard. Since the Olney Building houses more than 100 laboratories for six disciplines, it was the site with the most urgent need for an EMS.

Over the past two years, in partnership with the Office of Environmental Health and Safety, Dean Robert Tamarin and the Toxics Use Reduction Institute, seven committees have met to address the areas of concern within the building: air quality, chemical purchasing and handling, capital projects, laboratories, environmental operations, recycle and ADA access. Recently, their

findings were presented to Dr. Susan Goodwin and other administrators.

Some of the improvements under way are:

- Creating a smoking ban within 25 feet of the building to eliminate air contamination through the intake air duct.
- Developing a form/placard to report problems with fume hoods to alert laboratory users and maintenance staff to the hood's condition.
- Establishing a new procedure for ordering, receiving, delivering and storing chemicals to have tighter control and a better inventory of hazardous materials.
- Ensuring renovations do not adversely affect the environment and others in the building by developing a checklist.
- Developing a Laboratory Bill of Rights to outline procedures.
- Establishing a robust recycling program for cans, paper, solvents, virgin chemicals and compostables.
- Creating a safe environment for people with disabilities, beginning with an accessible restroom and unobstructed entrances.

UMass Lowell has adopted "Ride the CREST" as an environmental principle to create a model of environmental health and safety in

teaching, research, partnerships with the community, and the management of the organization. CREST stands for Continuous Improvement; Reduce, Reuse, Recycle; Environmental Compliance; Stewardship; and Training and Education.

The internal opportunity assessment began in January with the third-party certification audit to take place later in the year. The College of Management has volunteered to be the next unit to implement an EMS.



▲ Faculty and staff from the sciences and across campus are involved in implementing an environmental management system or EMS in Olney Building. Representing the seven teams at a recent presentation were, back row from left, Rich Lemoine, Office of Environmental Health and Safety; Rick Reney, Physical Plant; David Turcotte, Center for Family, Work and Community; James Whitton, chemistry; Walter Schier, physics; Janet Clark, Toxics Use Reduction Institute; and Dr. Susan Goodwin, vice chancellor of Administration and Finance, front row, Diana Prideaux-Brune, Office of Economic Development, and Elizabeth Fortin, Office of the Dean of Sciences.

Musician Drums Up a Diversity Message

◀ Dale Fanning, left, is a percussion musician who tours the country conducting cultural sensitivity workshops, using rhythm and percussion as a vehicle for dialogue about diversity and multiculturalism. He visited UMass Lowell recently to conduct a workshop, titled "Diversity Through Rhythm," for some 40 students. With Fanning is Stephan Coggs, director of ALANA.



UML Conference Unites American and European Groups

For the first time in their histories, the American-based Business History Conference and the European Business History Association will hold joint annual meetings as part of the "Regions, Nations, Globalization" conference to be held June 26 through 29 at UMass Lowell. One hundred and forty-four papers will be presented by researchers, policy makers and scholars from all over the world.

Prof. Bill Mass, of Regional Economic and Social Development and co-director of the Center for Industrial Competitiveness (CIC), initiated the effort to bring the conference to UML four years ago when he was a nationally

elected Trustee of the Business History Conference.

According to Mass, "The themes of the conference are central to the mission of RESD and UML."

Mass will be speaking as part of the conference, offering a New England perspective on conference themes. Prof. Bill Lazonick of RESD and Prof. Mike Best, professor emeritus of management, will also be speaking at the conference.

The conference is being hosted by RESD, CIC and the Committee for Industrial Theory and Assessment.



▲ Prof. Bill Mass

Engineers Have Fun, Say Middle-School Students

Doug Prime remembers his own fourth-grade teacher, who "set the fire" of his enthusiasm for science and engineering design.

"I want to get kids excited about doing these things," says Prime, who is completing the first 10-week session of Design Lab, an after-school program for middle-school students funded by the National Science Foundation. "They don't have opportunities elsewhere." Prime is director of K-12 science and engineering education for the Francis College of Engineering.

In Design Lab, Prime has introduced electrical inventions, starting with learning how circuits work and building switches, before advancing to flashing LEDs on drinking cups or Frisbees, and culminating in using solenoids to build a secret candy dispenser.



▲ Justin Tucker, left, a sixth-grader at the Franco-American School, constructed a secret candy dispenser in Design Lab. He can now keep his candy safe from his eighth-grade brother Josh, who attended the closing celebration and tour of labs in the Francis College of Engineering.



▲ Sara Connaughton, a fifth-grader from the Robinson School, checks on her secret candy dispenser before the pizza party celebrating the end of Design Lab, an after-school program to introduce engineering design concepts to middle-school students.

Students in the first session were drawn primarily from the Robinson and Wang middle schools in Lowell. The program with the Robinson School was coordinated by GearUp, a program of the Center for Family, Work and Community to encourage more inner city kids to attend college.

Two more sessions are scheduled for this year, reaching a total of 120 students.

"Our summer Design Camp is so successful that we just want to do more of it," says Prime about the after-school Design lab. "Now I'd like to add robots and glider toys as a follow-up for students who are interested in more than one session."

At the closing celebration for students and their families, students displayed their projects before touring a plastics engineering lab, the baseball bat testing lab and the electrical engineering assistive technology program.

Prof. Ogasapian Has a Recital Rule: Just Fun. No Teaching.

As a professor of music, John Ogasapian is a teacher. But when he gives organ recitals, he eschews the pedagogical role.

"I don't go into a recital planning to conduct a seminar to educate an audience," he says. "I play music that's good. I go in to play and have fun and they usually have fun along with me. I have a whole different persona when I go out to perform."

"It's supposed to be an evening that's fulfilling and enjoyable. They shouldn't have to go home afterward and say, 'Well, I couldn't stand a minute of it but it was good for me.'"

Ogasapian acknowledges that the average person in the audience wouldn't recognize the music he plays, but, he says, "They like it."

His specialty is American concert music of the 19th and 20th century, much of which was written by a group of Boston composers—and George Whitefield Chadwick of Lowell—around the turn of the century.

"A lot of what I play, no one else does because it's stuff that's long out of print or it's in manuscript form. That's generally what people who invite me to play expect to hear."

Ogasapian became interested in the organ as a youngster because his father was the organist of a small church in Worcester and, he says, "I found I had an affinity for it."

He has given many recitals over the years since his debut, at the age of 23, in St. Paul's Chapel at Columbia University.

"I've been going all over the place," he says. "But I'm getting too old for that business. It's a lot more fun when you're 30 than when you're 60."

He did, however, journey to New York last May to give a recital at St. Thomas Church on Fifth Avenue. What he didn't know was that the recital was being recorded. He learned some time later that National Public Radio (NPR) was featuring the performance on one of its weekly presentations of organ music, called "Pipedreams."

NPR sent him a CD of the program but, ironically, he could not have heard it on the air. The nearest public radio station that carries "Pipedreams" is in Portland, Maine.

Asked to describe the toughest part of giving a recital today, he has to think for only a moment before answering, "Deciding what I'm going to play. To me that's the most important thing. Making a program that will grab an audience early and hold them. I spend a lot of time shuffling pieces around."

Although he has been teaching music here since 1965, he seldom gave organ lessons and hasn't given any at all since the early 1970s.

"I'm not a patient organ teacher," he admits. "If the student is playing a piece wrong I push them off the bench and show them how to do it and say, 'There. Now do

it.' That's my technique but that's not really a lot of help."

In his Pepperell home, Ogasapian has an 1899 Estey reed organ with two keyboards and a pedal board. But he's not one of those musicians who practice three or four hours a day.

"When I'm going to give a recital I practice," he says. "Otherwise I might not play for weeks at a time."

—JMcD



▲ Prof. John Ogasapian

Work Environment Justice Fund Promotes Immigrant Worker Safety

Blue-collar immigrants often encounter hazardous working conditions due to insufficient training, a lack of communication and substandard safety measures. UMass Lowell is responding to that problem by supporting a collaboration that is helping immigrants promote safe working conditions.

The University's Work Environment Justice Fund has awarded \$68,000 to the Massachusetts Coalition for Occupational Safety and Health (MassCOSH) and its partners, the Chelsea Human Services Collaborative and Western Mass-COSH.

The partnership's Immigrants Safe Work Initiative is designed to provide 500 immigrants in Greater Boston and 175 Latino workers in Western Massachusetts with information, tools and support to end dangerous work situations and promote secure employment. In addition to training immigrants on workers' rights, it will provide a forum for these minority groups to share experiences and strategies for solving health and safety problems in the workplace.

"We are pleased that the University is in a position to help efforts to improve the work environment of immigrant workers, those who are most at risk of on-the-job injuries in Massachusetts and those whose rights to safe and productive lives are the most vulnerable," said Prof. Charles Levenstein of the Work Environment Department.

"We congratulate MassCOSH on its long history of advocacy for workers and we applaud the alliance between MassCOSH and immigrant community organizations. Only through building such coalitions can we hope to bring a public spotlight on the hazardous conditions which immigrant workers suffer—and remedy these intolerable situations," he added.



▲ UMass Lowell officials announced the Work Environment Justice Fund Award to the Immigrants Safe Work Initiative during a recent ceremony at the UMass President's Office. Displaying the ceremonial check are, from left, Jean Carmel St. Juste, Immigrant Worker Program coordinator, MassCOSH; UMass Lowell Work Environment Prof. Charles Levenstein; Gladys Vega, director of the Chelsea Human Services Community Collaborative; Marcy Goldstein-Gelb, executive director, MassCOSH; and UMass Lowell Prof. John Wooding, interim associate provost.

Immigrants are considered at a higher risk to encounter hazardous working conditions. In one recent month, three immigrants in Massachusetts died on the job. According to a recent study by Northeastern University, 45 percent of semi-skilled, blue-collar workers in the state are immigrants.

The Work Environment Justice Fund was established in 1994 by the Massachusetts Attorney General's Office, as part of a settlement with Bay State Smelting which had exposed its mostly immigrant workforce to hazardous levels of lead, copper, zinc, cadmium and carbon monoxide. The fund supports projects that promote prevention of occupational disease and injury and provide advocacy services for workers faced with health and safety problems.

"The Work Environment Justice Fund will provide critical support to MassCOSH's effort to help immigrant workers fight against dangerous and unhealthy working conditions," said Jean Carmel St. Juste, who will coordinate the Initiative for MassCOSH.

Author-Professor Is Called to Testify in Fair-Housing Case

Prof. Chris Tilly of Regional Economic and Social Development (RESO), already the author or co-editor of two books on racial inequality, served recently as an expert witness in a controversial class-action suit in which eight southern Massachusetts towns were found guilty of discrimination in the awarding of Section 8 housing.

The towns, all predominately white, discriminated against minorities—though perhaps unknowingly—when they gave preference to local residents, a federal judge ruled in late

November. The suit was filed in 1998 by four lower-income women in Brockton and Randolph who had applied for Section 8 housing, and was argued by attorneys for the Massachusetts Law Reform Institute. Tilly served as a witness for the plaintiffs.

Section 8 is a HUD program administered through local housing authorities, which provide vouchers to assist lower-income recipients in covering the costs of rent.

"The experience really drew my attention to the whole Section 8

system," says Tilly. "And it's not only the issue of local preference—it's the level of bureaucracy these people have to navigate just to be able to apply. It's incredible. It needs to be reformed."

Tilly's most recent book, "Urban Inequality: Evidence From Four Cities," of which he was co-editor, examined racial discrimination as displayed in several contexts, includ-

ing housing. His first book, "Stories Employers Tell: Race, Skill and Hiring in America," focused largely on issues involving minorities in the workplace. It was cited recently in a Boston Globe column on the hiring of immigrants workers.

Note Worthy

Prof. Georges Grinstein, director of the Center for Biomolecular and Medical Informatics, gave a lecture on "High Dimensional Data Visualization and Analysis for Drug Discovery" recently in Bethesda, Md.



▲ Prof. Georges Grinstein

Institutes of Health (NIH) Genomics and Bioinformatics Interest Group; and the NIH Drug Discovery Interest Group.

The presentation, with an accompanying demonstration, was sponsored by the National Cancer Institute's Bioinformatics, Biostatistics and Computational Biology faculty; the National

UMass Lowell was well represented with invited presentations at MACRO-2002, the Seventh National Conference of the Society for Polymer Science of India, held at the Indian Institute of Technology in Kharagpur. **Jayant Kumar**, physics professor and director of the Center for Advanced Materials, gave the plenary lecture, "Enzymatic and Biomimetic Synthesis of Conducting Polymers and Macrodes and their Optical and Electronic Properties." **Arthur Watterson**, chemistry professor emeritus and director of the Institute for Nano Science and Engineering Technologies, spoke on "Chemoenzymatic Synthesis of Novel Copolymers." **Ashok Chholi**, director of the Nuclear Magnetic Resonance (NMR) Lab, spoke on "Structural Investigation of Polymer Nanocomposites and Biocatalytically Polymerized Conducting Polyaniline by Solid State NMR."



Biology Feasts at End of Ramadan

▲ Faculty, staff and graduate students in the Biological Sciences Department celebrated the end of Ramadan with a feast of Indian specialties, traditional dress and songs. Professional technicians **Karen (Chur) Thompson** and **Rizvana Bhaiwala**, seated, from left, organized the event with the students. Among participating faculty were **Profs. Robert Lynch**, **Thomas Shea** and **Susan Braunhut**, standing, second, fifth and seventh from left. Many of the department's graduate students hail from the same area in India.

Can Universities Humanize the Forces of Globalization?

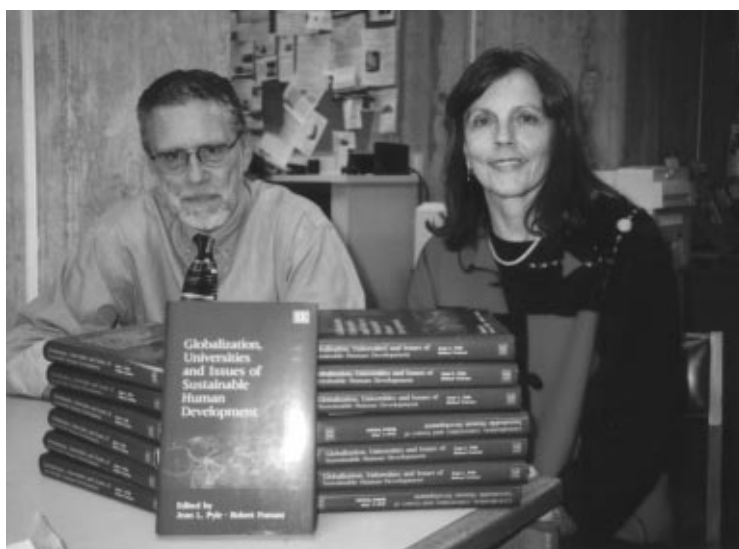
"We were surprised," says **Jean Pyle**, former professor of the Regional Economic and Social Development Department (RESDD), "that the role of the university as a force for sustainable human development has not been explored in the development literature."

Pyle and **RESDD Assoc. Prof. Robert Forrant** are co-editors of a new book, *Globalization, Universities and Issues of Sustainable Human Development*, published by **Edward Elgar**.

The editors begin the volume by exploring the context of globalization and how institutions such as the International Monetary Fund and the multinational corporations have gained power relative to more human-centered organizations.

The contributed chapters in the first section focus on the specific challenges of globalization and the need for the university to take a role. Authors in the second section provide a variety of examples of how universities can and do foster beneficial development. Promising initiatives are under way in Malaysia, India and at UMass Lowell.

"Universities are breaking important new ground," said **Pyle**. "Especially in developing countries that have limited resources, universities form an important seedbed for development projects."



▲ Co-editors **Robert Forrant**, left, and **Jean Pyle**, Department of Regional Economic and Social Development.

Prof. Wegman Cites Need for Workplace Adjustments

Today's "lean and mean" business philosophy may be economically sound in the short term but it's creating an exhausted, angry workforce that is becoming more disinclined to think of the welfare of others, according to **Prof. David Wegman**.

Earlier this academic year, the chair of the Work Environment Department was keynote speaker at a Conference Board function at which he discussed the growing population of older workers and the potential for improving workplaces for all workers—older ones in particular.

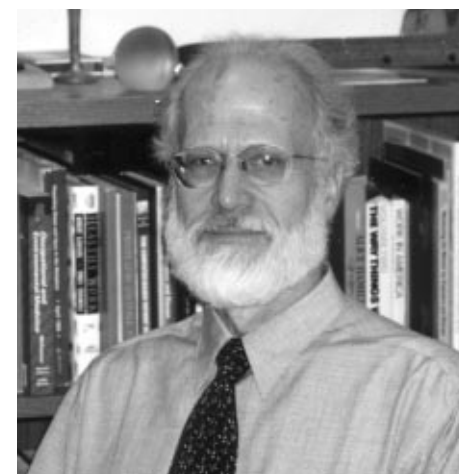
In connection with these concerns, he serves as chair of the National Research Council's committee on the health and safety needs of older workers.

In a recent interview, **Wegman** discussed the effect that workplace organization has on employees of all ages, and what he perceives to be an undesirable trend.

"Jobs and the work organization of jobs must be adjusted to make workplaces more friendly for all age groups," he said. "We're going in the exact opposite direction from the one in which we should be going. The lean and mean philosophy may be economically sound, but I think it's creating an exhausted, highly tense and very individualized population because people are just worn out by work."

"They're angry and they end up feeling that 'I don't want to give anything to anybody else because it's hard enough to give it to myself.'"

This feeling manifests itself, he said, in the workers' disinclination to pay more taxes or support public services. People no longer have time



▲ Prof. David Wegman

or energy to focus on the larger society or the cultural, he added.

"I think a fundamental philosophy of this country for years is that we take care of our own. We're not doing that any more."

People can't continue to work at the present pace, **Wegman** said, predicting that burnout will become much more common. The most stressful types of jobs, he said, are those that place high demand on workers but give them no control—such as assembly line work or highly routine clerical jobs.

He predicted that the situation will change but that the transformation will require reasonable alternatives.

"We need to design jobs in which people can grow and develop and in which they feel they're valued. I think that, particularly as the population ages, we will have to create work environments that are more humane and, therefore, sustainable," he said.

—JMCD

New Security Analyst to Take On Spread of Computer Hacking

UMass Lowell, like colleges and universities across the nation, has been the target of a rash of computer hacking unlike anything seen in the past, according to the University's chief information officer.

"It's happening on a daily basis," says Jeff Thompson. "All the time, we're having to take machines off the network because of viruses. I don't think it's ever been as bad as it's been since the [fall] semester began."

In an effort to combat this onslaught, as well as to boost the general security of the UMass Lowell IT network, the University has hired its first full-time security analyst. Jim Packard, formerly director of Information Technology at CCA Inc. in Bedford, Mass., arrived on campus last summer and, says Thompson, made himself indispensable almost from the day he came.

"Ironically, we've had more problems since he got here than ever before. As a result, we've never needed him more. The viruses just keep happening. A lot of people don't even know when they have one, which only makes the problem worse."

It is no accident, Thompson says, that universities are being targeted by hackers: "It's the price you pay for academic freedom—which all universities depend on. We are defined, at least in part, by the free flow of information. We can't just lock down our networks the way a private institution can. As a result, we're sort of a natural target for the hacker, whose goal is to bring a PC to its knees."

Packard himself is even more blunt-spoken, if that's possible:



▲ Jim Packard

"For every hour you don't spend on security," he says, "because you're more interested in the convenience [computers offer], you're going to spend ten hours fixing the problem."

His role at the University, says Thompson, is threefold: the combating of computer viruses; the development of standards for computer servers, so that they can be made as close as possible to hacker-proof; and finally, the promoting of awareness, among faculty and staff, of the importance—and proper methods—of securing PCs.

on the perils of hacking, if that's possible, than On Jan. 8, all faculty and staff received a campus-wide e-mail from Jeff Thompson's office, detailing five steps for the safeguarding of computer files against cyber-attacks. These included the installation of anti-virus software, the attendance by PC owners of security awareness classes, and several other measures. There will be more such outreach in the next several months, Thompson says.

"Jim will be working hard to get out the word, both in person and through other means. He's already developed a Web site, which we plan to be publicizing soon. The important thing is that everyone stay connected, that we all understand that we're in this together, and that it really is critical to protect your machines..."

"Because it's true what they say—we're only as strong as our weakest link."

Prof. Jones Submits Testimony to Title IX Study Commission

Prof. Michael Jones of Legal Studies has submitted 21 pages of testimony to the U.S. Department of Education's commission studying Title IX of the Education Amendments of 1972.

The commission is expected to make its recommendations by the end of January.

Because of his longtime interest and experience in recreational and competitive swimming, Jones was asked to make a presentation to the commission, which has been directed by President Bush to review the interpretation of Title IX as it affects high school, college and Olympic sports programs.

One of the tests the government has given the courts to determine compliance with the law is proportionality. That means that expenditures on men and women's athletics must be proportional to the ratio of a school's male-female enrollment within one percent.

"If you do the math, it is just impossible for any university to meet that proportionality rule," Jones says.

For example, he says, the female-male ratio at UNH is 60-40, meaning that 60 percent of all money spent on athletics must go to women's sports. But, like many universities, UNH has varsity football, a revenue-producing sport that may award as many as 85 scholarships. There are no women's sports of a comparable size to help balance the equation.

More importantly, Jones says that in an effort to obey this legislation, colleges and universities are abandoning men's varsity sports such as swimming, tennis, golf and others — healthy activities graduates can partic-



▲ Megan Williams, a junior whose minor is legal studies, conducted a substantial amount of research for testimony that Prof. Michael Jones submitted to a commission studying the effects of Title IX.

ipate in throughout their lives.

As an example of the fallout from this situation, he points to the numbers of boys and girls participating in swimming programs at the high school level over the last 30 years. In 1972, about 91,000 boys and 17,000 girls were swimming in high school. By 1999, the number of boys participating had dropped to less than 87,000 while the number for girls had grown to more than 138,000.

This imbalance exists, he maintains, because—given the effects of Title IX — the boys know that there is little opportunity for them to earn a college swimming scholarship.

"Title IX," says Jones, "has had unintended consequences."

Much of the research for his report to the commission was done as honors work by one of his students, Megan Williams, a junior majoring in history with a minor in legal studies.

—JMCD

Promotions & Appointments

Promotions

Brian W. Andriolo, associate director of Advancement for Endowment Services, from director of Annual Giving.

John C. Davis, director of Capital and Leadership Gifts in University Advancement, from senior constituent director of Development.

Demetra J. Gys, associate director of Programs and Alumni Services in University Advancement, from assistant director of Alumni Relations.

Patricia K. Kelleher, director of Prospect Management and Donor Relations in University Advancement, from director of Prospect Management.

William Schlieman, sergeant of University Police, from patrol officer.

Appointments

Shirley Alejandro, associate project manager for Gear Up Lowell, from training coordinator at Excelsius Motivational Associates.

Sokny Long, youth program co-advisor in Gear Up, from student.

Lisa M. Taylor, association project manager for Gear Up Lowell, from program manager at Middlesex Community College.

Grad Students Celebrate Communities of Hope



▲ Patricia Gozemba, right, co-author of *Pockets of Hope: How Students and Teachers Change the World* was the special guest of Prof. Anne Mulvey, left, and the Community Psychology Class at iCelebrating Communities of Hope in December. Students in iIntroduction to Community Social Psychology presented their case studies of community organizations similar to those in Gozemba's book. Several representatives and clients of the Lowell organizations involved in the projects also attended.

Calendar of Events

Wednesday, Jan. 22

Spring Semester, Classes begin for Continuing Studies students. For information, call (978) 934-2480 or visit <http://continuinged.uml.edu>.

Thursday, Jan. 23

Women's Basketball, vs. Assumption College, 5:30 p.m., Costello Gym. For information, call (978) 934-HAWK.

Men's Basketball, vs. Assumption College, 7:30 p.m., Costello Gym. For information, call (978) 934-HAWK.

Friday, Jan. 24

Exhibit Reception, "Through the Ages," featuring handmade books by the elderly, 10 a.m. to noon, Dugan Gallery. Exhibit runs through Jan. 24. For information, call (978) 934-3491.

Saturday, Jan. 25

Women's Basketball, vs. Franklin Pierce College, 2 p.m., Costello Gym. For information, call (978) 934-HAWK.

Alumni Reunion Basketball, vs. UMass Lowell Women's Team, 3:45 p.m., Costello Gym. Following the 5 p.m. men's game, all basketball alumni are invited to The Old Court Pub in downtown Lowell, 29-31 Central St., for appetizers, cash bar. Interested basketball alumni should email Ken_Barer@uml.edu or call (978)934-2340.

Men's Basketball, vs. Franklin Pierce College, 5 p.m., Costello Gym. For information, call (978) 934-HAWK.

Sunday, Jan. 26

Performance, Faculty Performance Series, UML String Project, Kay George Roberts, director, 3 p.m., Durgin Concert Hall. For more information, call (978) 934-3873.

Tuesday, January 28

Performance, "Three Mill Girls," Marcia Estabrook, followed by catered dinner, 4:30 to 7:30 p.m., Tsongas Industrial History Center, Boott Cotton Mills. Tickets \$35. For information or to reserve, call Ellen Anstey (978) 970-5080.

Wednesday, Jan. 29

Exhibit Reception, "Highlights and Shadows," the photographic collection of Arlette and Gus Kayafas and others, 2 to 4 p.m., gallery talk at 3 p.m., University Gallery. Exhibit runs Jan. 29 through Feb. 19. For information, call (978) 934-3491.

Women's Basketball, vs. Merrimack College, 7 p.m., Costello Gym. For information, call (978) 934-HAWK.

Saturday, Feb. 1

Women's Basketball, vs. Southern New Hampshire, 2 p.m., Costello Gym. For information, call (978) 934-HAWK.

Men's Basketball, vs. Southern New Hampshire, 4 p.m., Costello Gym. For information, call (978) 934-HAWK.

Tuesday, Feb. 4

Dinner Conversation, "Making Connections," share ideas on how to make the campus better, 4 to 6 p.m., Fox Hall multi-purpose room. For information, call (978) 934-4342.

Wednesday, Feb. 5

Performance, STARTS program, "Amelia Bedelia," a musical production for school field trips, grades K-3, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

Friday, Feb. 7

Hockey, vs. Providence, 7 p.m., Tsongas Arena. For information, call (978) 934-HAWK.

Tuesday, Feb. 11

Women's Basketball, vs. Stonehill College, 5:30 p.m., Costello Gym. For information, call (978) 934-HAWK.

Men's Basketball, vs. Stonehill College, 7:30 p.m., Costello Gym. For information, call (978) 934-HAWK.

Wednesday, Feb. 12

Exhibit Reception, Annual juried exhibit of student artwork, 2 to 4 p.m., Dugan Gallery. Exhibit runs Jan. 29 through Feb. 19. For information, call (978) 934-3491.

Friday, Feb. 14

Hockey, vs. Boston University, 7 p.m., Tsongas Arena. For information, call (978) 934-HAWK.

Performance, STARTS program, "The Great Railroad Race," performing arts for school field trips, grades 3-6, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

Wednesday, Feb. 19

Open Meeting Hours, Opportunity for faculty, staff and students to meet with William T. Hogan, Chancellor. Staff: 2 to 3 p.m.; Students: 3 to 4 p.m.; Faculty: 4 to 5 p.m.; Trustees' Room, Cumnock Hall. For information, call the Chancellor's office (978) 934-2201.

Discussion, Community and labor activists discuss "Plan Colombia" and the "War on Colombian Workers," featuring Hector Giraldo, Colombian Highway Worker and Union Leader; Jeff Crosby, president, North Shore Labor Council; and Vanessa Gray, asst. prof., Political Science Department, UMass Lowell; 2:30 to 4 p.m. and 6:30 to 8:30 p.m. For information, call Judith Coughlin (978) 934-3239.

Friday, Feb. 21

Hockey, vs. University of New Hampshire, 7 p.m., Tsongas Arena. For information, call (978) 934-HAWK.

Saturday, Feb. 22

Women's Basketball, vs. Bryant College, 2 p.m., Costello Gym. For information, call (978) 934-HAWK.

Men's Basketball, vs. Bryant College, 4 p.m., Costello Gym. For information, call (978) 934-HAWK.

Monday, Feb. 24

Presentation, Senior Executive Forum, Michael Johnston, president and COO, Visteon Corporation, 1:30 to 2:30 p.m., Kitson 309. For information, call Dean Krishna Vedula (978) 934-2571.

Tuesday, Feb. 25

Hockey, vs. Merrimack, 7 p.m., Tsongas Arena. For information, call (978) 934-HAWK.

Wednesday, Feb. 26

Performance, STARTS program, "Dream Keepers," performing arts for school field trips, grades 7 and up, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

Saturday, March 1

Hockey, vs. Northeastern, 7 p.m., Tsongas Arena. For information, call (978) 934-HAWK.

Sunday, March 2

Performance, Discovery Series, "Frogz," Imago Theatre, 2 and 4 p.m., Durgin Hall. Best for ages 4 and up. Tickets \$10, group discounts available. For information or tickets, call the Center for the Arts (978) 934-4444.

Monday, March 3

Performance, Faculty Performance Series, Wind Ensemble Concerto Competition, David Martins, director, 7:30 p.m., Durgin Concert Hall. For information, call (978) 934-3850.

Performance, STARTS program, "Romeo and Juliet," performing arts for school field trips, grades 7 and up, 9:30 and 11 a.m., Durgin Hall. Tickets \$5. For information and reservations, call the STARTS hotline (978) 934-4452.

Wednesday, March 5

Exhibit Reception, Student graphic design, 2 to 4 p.m., Dugan Gallery. Exhibit runs through March 26. For information, call (978) 934-3491.

Exhibit Reception, "Foosie-Doll," an interactive installation analyzing images and beliefs in the American culture about how we relate to our children, 2 to 4 p.m., gallery talk at 3 p.m., University Gallery. Exhibit runs through March 28. For information, call (978) 934-3491.

Did you know...

that the UMass Lowell Barnes and Noble bookstores carry an average of 50 different selections by campus authors each semester?



Publications Office
University of Massachusetts Lowell
One University Avenue
Lowell, MA 01854

Non-Profit Org
U.S. Postage
PAID
UMass Lowell

Deadline for the Next Issue of the Shuttle Is Jan. 31